

Title: Visualize This

Presenter: William T."Tom" Bridgman, GST

**Abstract:**

Visualization technology has improved dramatically since the microcomputer revolution. Making a movie of a 2-D time-series simulation running on your computer screen used to take extensive (and expensive) extra equipment and expertise. Today, thanks to standardization of image and animation formats, this task is far easier. In the future, this will happen in the realm of 3-D visualizations as well. I will cover some of the high-end tools and techniques used by the NASA/GSFC Scientific Visualization Studio for turning data into movie products for formal and informal education and the media. I will also present some guidelines and techniques using less sophisticated tools for integrating simple high-quality visualizations into your own data processes.